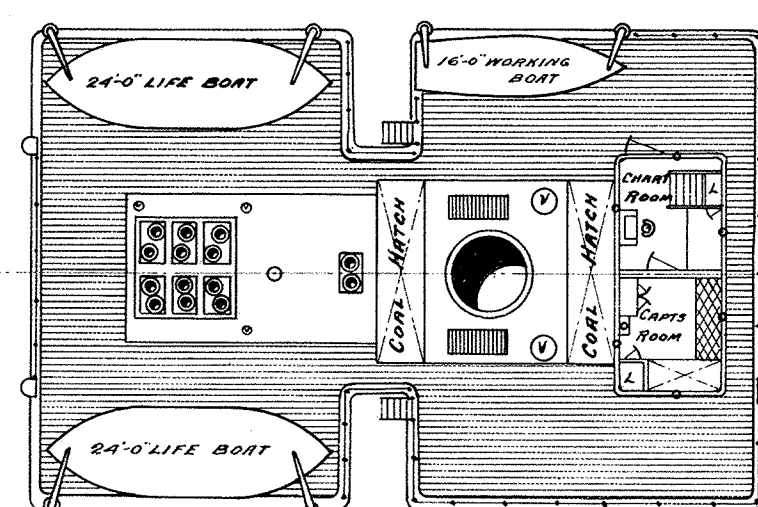


| | |
|-------------------------------|-------------|
| LENGTH OVERALL | 261'-0" |
| LENGTH BETWEEN PERPENDICULARS | 251'-0" |
| MOULDED BREADTH | 43'-6" |
| DEPTH | 22'-11 1/2" |
| GROSS TONNAGE | 2231.31 |
| NET TONNAGE | 1343.49 |

| CAPACITY OF HOLDS | | |
|-------------------|---------------|---------------|
| | GRAINS | BALES |
| HOLD NO. 1 | 80794 CU. FT. | 13230 CU. FT. |
| " 2 | 63030 " | 58330 " |
| HATCHES | 4914 " | 4505 " |
| FORECASTLE | 1385 " | 1245 " |
| BRIDGE | 12810 " | 11858 " |
| TOTAL | 164933 | 149168 |



| COAL BUNKER CAPACITY | | |
|--|---------|------|
| | CU. FT. | TONS |
| BUNKER ON P. SIDE BELOW M. DECK | 2630 | 63 |
| " " " " " " " " | 2630 | 63 |
| COAL CHUTES | 1290 | 29 |
| RESERVE BUNKER BETW. M. DECK AND BRIDGE DECK | 12810 | 285 |
| TOTAL | 19160 | 440 |

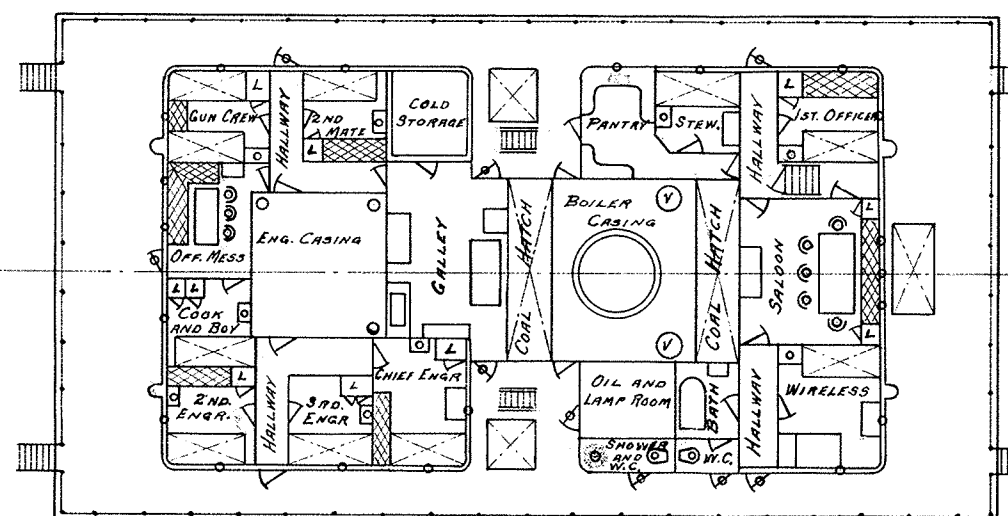
1 TON = 45 CU. FT.

| | |
|---------------------|--------|
| LENGTH OF POOP DECK | 37'-3" |
| " " BRIDGE | 79'-6" |
| " " FORECASTLE | 24'-9" |

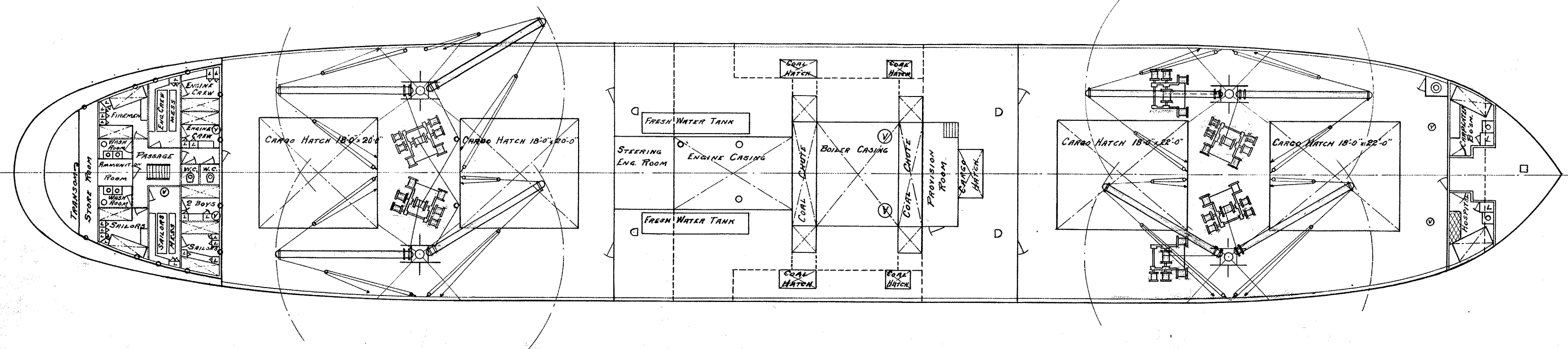
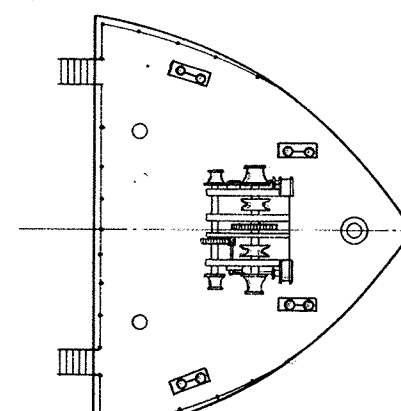
STANCHIONS AT ENDS OF HATCHES AT CENTER LINE OF VESSEL. TWO STANCHIONS UNDER SIDE COAMINGS. 7"x12" WINCHES - AMER. HOIST & DERRICK CO.'S DESIGN. 8"x8" STEAM WINDLASS - PA. SHIPALLOY CO.'S DESIGN. PORT ARTHUR SHIPBUILDING CO.'S STEERING ENGINE WITH CONTROL SHIFTS TO FLYING BRIDGE.

| | |
|--|---------------|
| <u>8-16" DIA. VENTILATORS TO CARGO HOLDS</u> | |
| <u>ELECTRIC LIGHT THROUGHOUT.</u> | |
| <u>PROPELLER</u> | |
| <u>DIAMETER</u> | <u>13'-6"</u> |
| <u>PITCH</u> | <u>14'-6"</u> |

| WATER BALLAST | | |
|---------------|---------|------|
| | CU. FT. | TONS |
| FORE PEAK | 1970 | 56 |
| TANK NO. 1 | 2557 | 73 |
| " 2 | 5170 | 148 |
| " 3 | 1995 | 57 |
| " 4 | 1338 | 38 |
| " 5 | 1911 | 55 |
| AFTER PEAK | 2845 | 81 |
| TOTAL | 20786 | 594 |

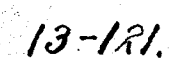


| <u>ENGINE AND BOILERS</u> | |
|---|--------------------------|
| <u>ENGINE</u> | <u>TRIPLE EXPANSION</u> |
| <u>CYLINDERS</u> | <u>20" x 33" x 54"</u> |
| <u>STROKE</u> | <u>40"</u> |
| <u>2 BOILERS, DIA. 14' 6" LENGTH 11'-0"</u> | |
| <u>HEATING SURFACE</u> | <u>4626 SQ. FT.</u> |
| <u>PRESSURE</u> | <u>190^{PSI}</u> |

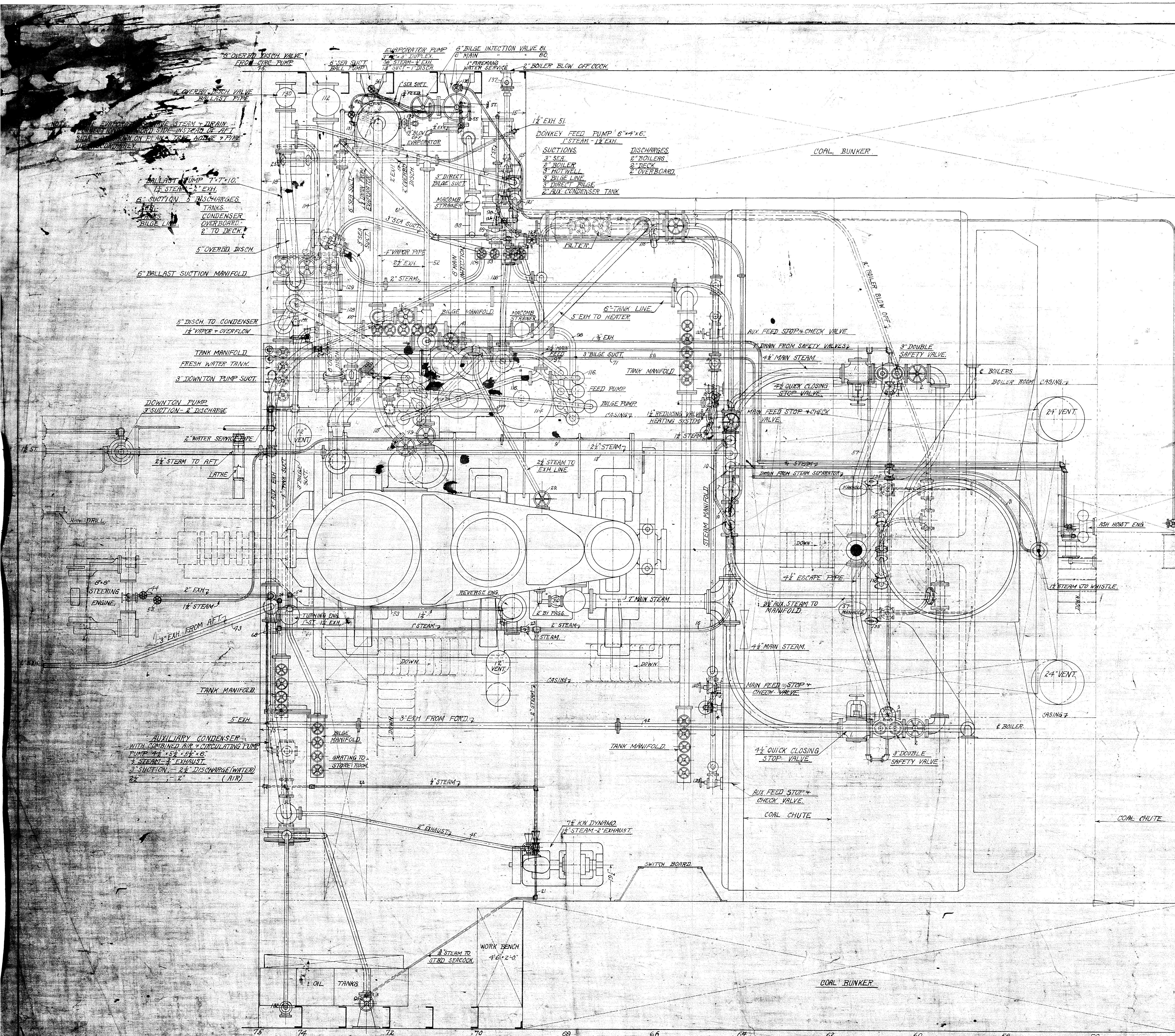


GENERAL ARRANGEMENT
AND
CAPACITY PLAN
OF
S.S. WAR DANCE
AND
S.S. WAR ISIS
SCALE 1/16" = 1 FOOT
CLASSED 100 A1 BY BRITISH LLOYDS
BUILT BY
PORT ARTHUR SHIPBUILDING CO. LTD.
PORT ARTHUR, CANADA

OWNERS

$$\frac{L}{D} = 10.93 \checkmark$$


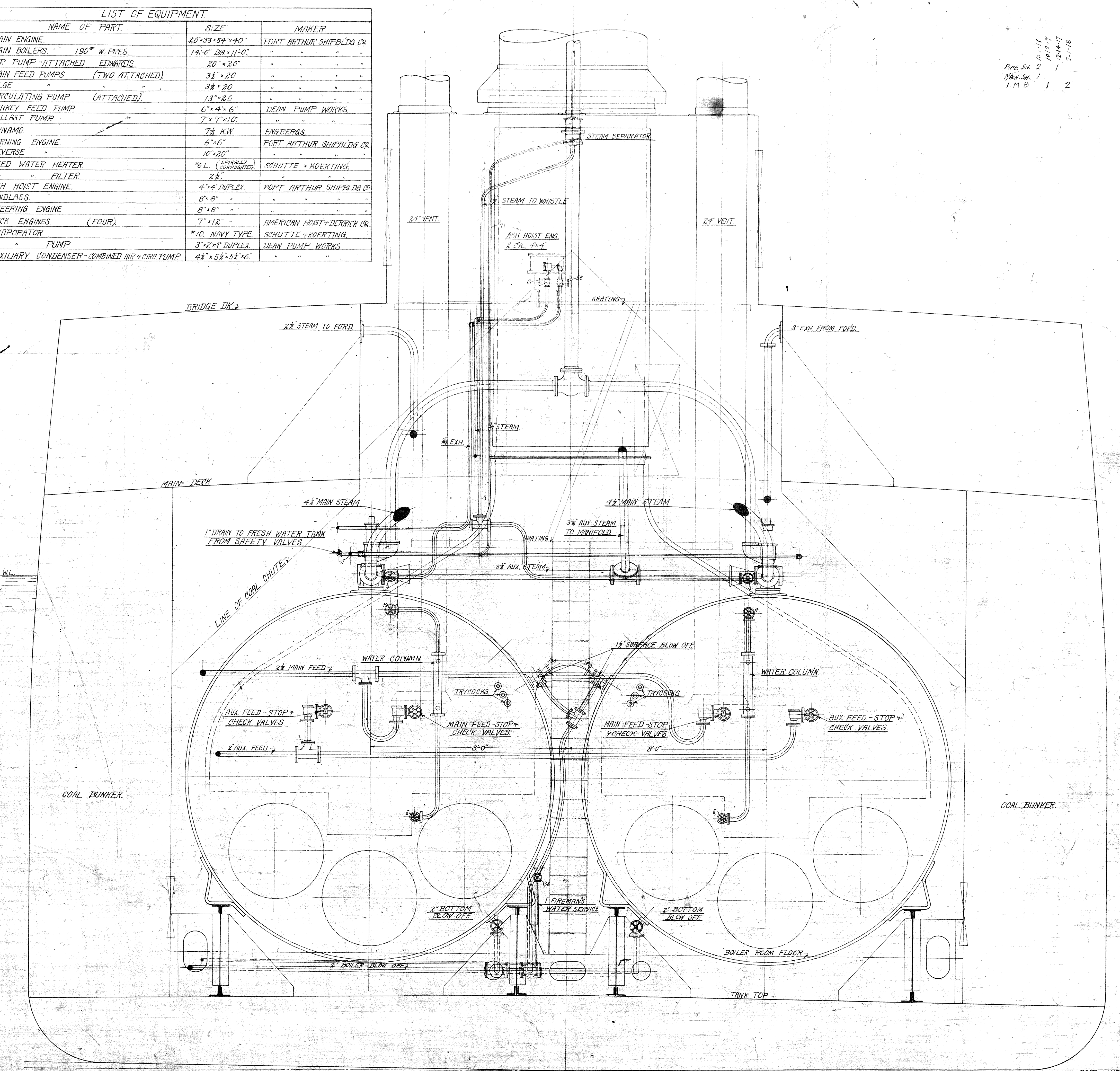
1. *Phragmites australis* (Cav.) Trin. ex Steud. *Phragmites australis* (Cav.) Trin. ex Steud.



PLAN VIEW OF ENGINE + BOILER ROOM PIPING

NOTES:
 FOR BILGE + BALLAST PIPING IN ENGINE + BOILER ROOMS - SEE DRAWING.
 TRAPS TO BE LOCATED IN DRAINS FROM HEATING SYSTEM, FEED WATER HEATER + EVAPORATOR COILS.
 BOSSSES FOR DRAIN PLUGS TO BE DRILLED ON ALL PIPES WHERE WATER MAY COLLECT OR TRAP HOLES IN FITTINGS.
 ALL PIPES PASSING THRU RT. BULKHEADS ON DECK TO HAVE STANDARD RT. BULKHEAD PIECES.
 SEE SEPARATE DRAWINGS FOR LADDERS + RAILINGS.
 FOR DECK AIR + SOUNDING PIPING SEE DRAWING.
 FOR BILGE + BALLAST PIPING THRU SHIP - SEE DRAWING.

| LIST OF EQUIPMENT | | |
|--|---------------------------|------------------------------|
| NAME OF PART | SIZE | MAKER |
| MAIN ENGINE | 20" x 33" x 54" x 40" | PORT ARTHUR SHIPBUILDING CO. |
| MAIN BOILERS | 190" x 190" x 11'-0" | PORT ARTHUR SHIPBUILDING CO. |
| AIR PUMP - ATTACHED | 20" x 20" | EDWARDS |
| MAIN FEED PUMPS (TWO ATTACHED) | 3 1/2" x 20" | " |
| BILGE | 3 1/2" x 20" | " |
| CIRCULATING PUMP (ATTACHED) | 13" x 20" | " |
| DONKEY FEED PUMP | 6" x 4" x 6" | DEAN PUMP WORKS |
| BALLAST PUMP | 7" x 7" x 10" | " |
| DYNAMO | 7 1/2" x 11" | ENGINEERS |
| TURNING ENGINE | 6" x 6" | PORT ARTHUR SHIPBUILDING CO. |
| FEED WATER HEATER | 10" x 20" | SCHULTE + KORTING |
| REVERSE | 24" | " |
| ASH HOIST ENGINE | 4" x 4" DUPLEX | PORT ARTHUR SHIPBUILDING CO. |
| WINDLASS | 6" x 6" | " |
| STEERING ENGINE | 6" x 6" | " |
| DECK ENGINES (FOUR) | 7" x 12" | AMERICAN HOIST + DERRICK CO. |
| EVAPORATOR | 10" NAVY TYPE | SCHULTE + KORTING |
| PUMP | 3" x 2" x 4" DUPLEX | DEAN PUMP WORKS |
| AUXILIARY CONDENSER - COMBINED AIR + COOL PUMP | 4 1/2" x 5 1/2" x 5' x 6" | " |

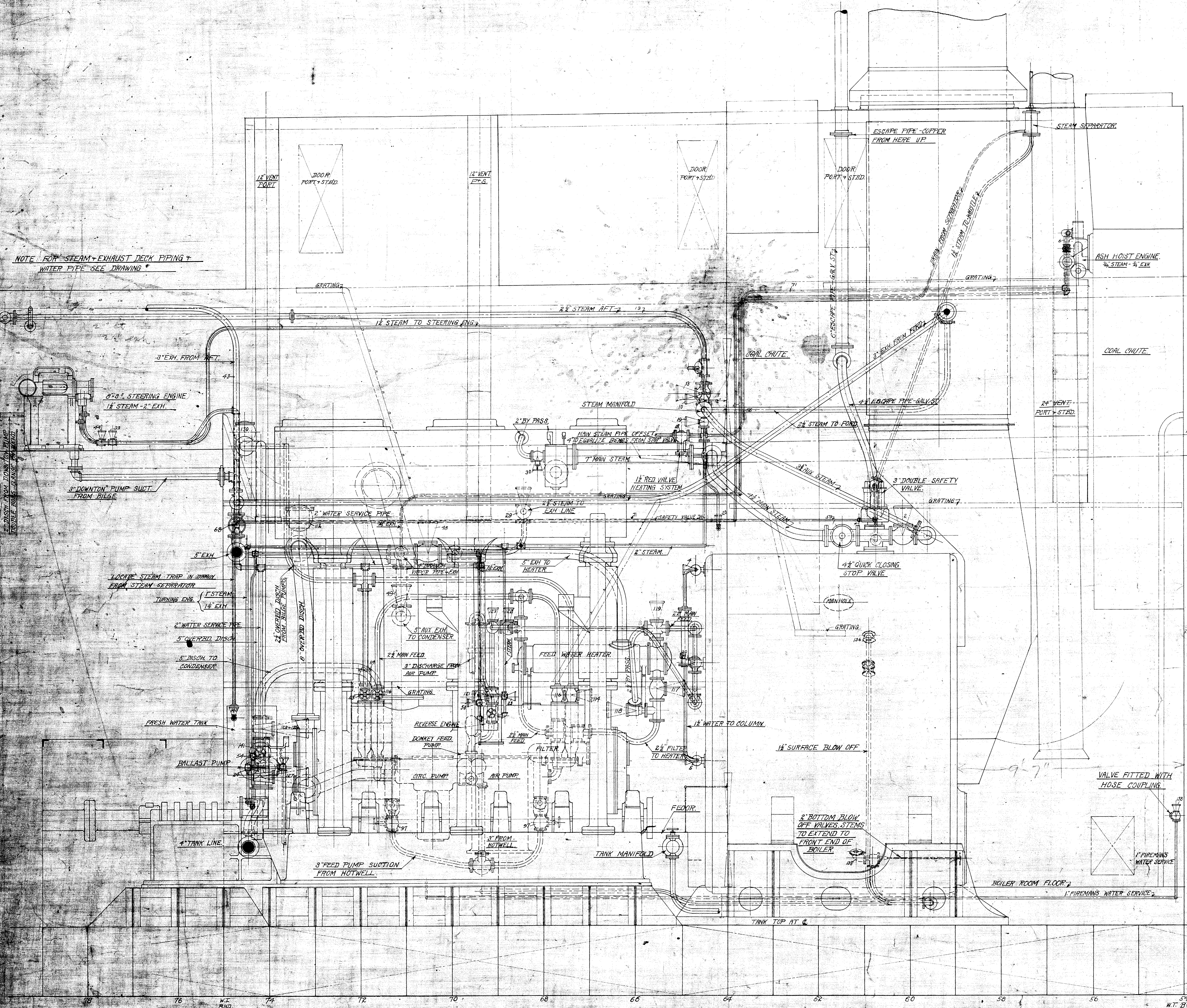


LOOKING FORWARD FROM SCREEN "ca" THRU BOILER ROOM.
 ALSO SHOWING BOILER MOUNTINGS.

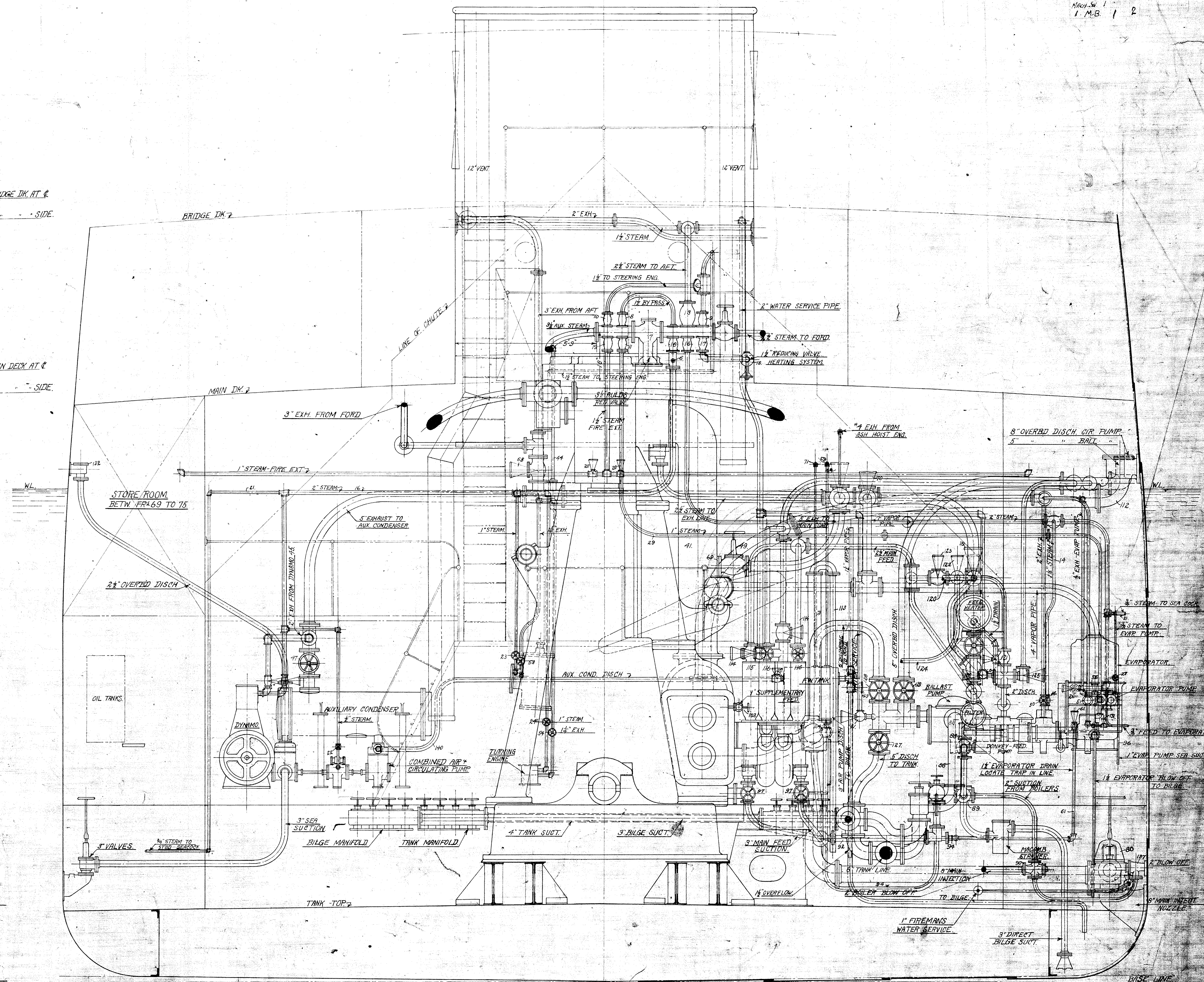
CONTRACT NO. 18-19

| | |
|-----------------------------------|--------------------------|
| ENGINE + BOILER ROOM PIPING | |
| PORT ARTHUR SHIPBUILDING CO. LTD. | |
| PORT ARTHUR, ONT. | |
| SCALE: 1" = 1'-0" | SEPT. 20, 1917 |
| DRAWN BY: J. H. HARRIS | CHECKED BY: J. H. HARRIS |
| ORDER NO. 18 | DRAWING NO. 18-19 |

NOTE FOR STEAM-EXHAUST DECK PIPING
WATER PIPE SEE DRAWING



INBOARD VIEW OF ENGINE & BOILER ROOM PIPING



SECTION AT BULKHEAD 64 - LOOKING AFT

| | |
|----------------------------------|------------------|
| CONTRACT NO 18419 | |
| ENGINE & BOILER ROOM | |
| PIPING | |
| PORT ARTHUR SHIPBUILDING CO. LTD | |
| PORT ARTHUR, ONT. | |
| SCALE 1"=1 FT | SEPT. 1917 |
| DRAWN BY W.C. | CHECKED BY W.C. |
| TRACED BY W.C. | APPROVED BY W.C. |
| ORDER NO 13 | REVISION NO 10 |